Kl Yadav

List of Publications by Year
in descending order

57	2,225	159585	214800
papers	citations	30 h-index	47 g-index

57	57	57	2184
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structural, dielectric, magnetic, magnetodielectric and impedance spectroscopic studies of multiferroic BiFeO3â€“BaTiO3 ceramics. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2011, 176, 540-547.	3.5	162
2	Multiferroic, magnetoelectric and optical properties of Mn doped BiFeO3 nanoparticles. Solid State Communications, 2012, 152, 525-529.	1.9	147
3	Study of dielectric, magnetic and ferroelectric properties in Bi1â^'xGdxFeO3. Materials Letters, 2008, 62, 2858-2861.	2.6	128
4	Thermo-mechanical and anti-corrosive properties of MWCNT/epoxy nanocomposite fabricated by innovative dispersion technique. Composites Part B: Engineering, 2017, 113, 291-299.	12.0	114
5	Structural, dielectric, vibrational and magnetic properties of Sm doped BiFeO3 multiferroic ceramics prepared by a rapid liquid phase sintering method. Ceramics International, 2015, 41, 9285-9295.	4.8	113
6	Magnetic, magnetocapacitance and dielectric properties of Cr doped bismuth ferrite nanoceramics. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2011, 176, 227-230.	3.5	79
7	Magnetoelectric characterization of xNi0.75Co0.25Fe2O4â€“(1â^'x)BiFeO3 nanocomposites. Journal of Physics and Chemistry of Solids, 2007, 68, 1791-1795.	4.0	77
8	Large magnetization and weak polarization in solâ€“gel derived BiFeO3 ceramics. Materials Letters, 2008, 62, 1159-1161.	2.6	71
9	MWCNT/TiO2 hybrid nano filler toward high-performance epoxy composite. Ultrasonics Sonochemistry, 2018, 41, 37-46.	8.2	68
10	Study of structural, electrical, magnetic and optical properties of 0.65BaTiO3â€“0.35Bi0.5Na0.5TiO3â€“BiFeO3 multiferroic composite. Journal of Alloys and Compounds, 2014, 597, 188-199.	5.5	62
11	Improved energy storage, magnetic and electrical properties of aligned, mesoporous and high aspect ratio nanofibers of spinel-NiMn 2 O 4. Applied Surface Science, 2017, 426, 913-923.	6.1	54
12	Effect of Nd doping on structural, dielectric and thermodynamic properties of PZT (65/35) ceramic. Physica B: Condensed Matter, 2007, 395, 1-9.	2.7	52
13	Dielectric and magnetic properties of x CoFe 2 O 4 â€“(1 â^' x)[0.5Ba(Zr 0.2 Ti 0.8)O 3 â€“0.5(Ba 0.7 Ca 0.3)TiO 3] composites. Materials Research Bulletin, 2014, 60, 367-375.	5.2	52
14	Synthesis and study of multiferroic properties of ZnFe2O4â€“BiFeO3 nanocomposites. Journal of Alloys and Compounds, 2010, 492, 406-410.	5.5	47
15	A systematic study on magnetic, dielectric and magnetocapacitance properties of Ni doped bismuth ferrite. Journal of Physics and Chemistry of Solids, 2011, 72, 1189-1194.	4.0	45
16	Porous, one-dimensional and high aspect ratio nanofibric network of cobalt manganese oxide as a high performance material for aqueous and solid-state supercapacitor (2ÂV). Journal of Power Sources, 2016, 327, 29-37.	7.8	45
17	Multiferroic and magnetoelectric properties of BiFeO 3 -CoFe 2 O 4 -poly(vinylidene-flouride) composite films. European Polymer Journal, 2017, 91, 100-110.	5.4	45
18	Structural, dielectric and ferroelectric properties of Ba1â^'x(Bi0.5Na0.5)xTiO3 ceramics. Ceramics International, 2013, 39, 3627-3633.	4.8	44

#	ARTICLE	IF	CITATIONS
19	Nanofibers of spinel-CdMn2O4: A new and high performance material for supercapacitor and Li-ion batteries. Journal of Alloys and Compounds, 2017, 703, 86-95.	5.5	44
20	Synthesis and study of structural, dielectric, magnetic and magnetoelectric characterization of BiFeO3â€“NiFe2O4 nanocomposites prepared by chemical solution method. Journal of Alloys and Compounds, 2014, 585, 805-810.	5.5	42
21	Origin of giant dielectric constant and magnetodielectric study in Ba(Fe0.5Nb0.5)O3 nanoceramics. Journal of Alloys and Compounds, 2014, 591, 224-229.	5.5	41
22	Probing the electrical properties and energy storage performance of electrospun ZnMn2O4 nanofibers. Solid State Ionics, 2018, 321, 75-82.	2.7	40
23	The effect of Ni substitution on magnetic, dielectric and magnetoelectric properties in BiFe1â^'xNixO3 system. Physica B: Condensed Matter, 2010, 405, 4650-4654.	2.7	37
24	Enhanced magnetoelectric properties in Bi0.95Ho0.05FeO3 polycrystalline ceramics. Journal of Alloys and Compounds, 2012, 511, 149-153.	5.5	37
25	Effect of Nb substitution on the structural, dielectric and magnetic properties of multiferroic BiFe1â^'xNbxO3 ceramics. Materials Chemistry and Physics, 2012, 132, 17-21.	4.0	36
26	Enhanced magnetodielectric effect and optical property of lead-free multiferroic (1Ââ^'Âx)(Bi0.5Na0.5)TiO3/xCoFe2O4 composites. Materials Chemistry and Physics, 2014, 147, 1183-1190.	4.0	36
27	Low temperature step magnetization and magnetodielectric study in Bi0.95La0.05Fe1â^'xZrxO3 ceramics. Materials Chemistry and Physics, 2012, 134, 430-434.	4.0	34
28	Synthesis of nanocrystalline xCuFe2O4â€"(1â^'x)BiFeO3 magnetoelectric composite by chemical method. Materials Letters, 2007, 61, 2089-2092.	2.6	32
29	Electrical properties of a lead-free perovskite ceramic: (Na0.5Sb0.5)TiO3. Applied Physics A: Materials Science and Processing, 2007, 88, 377-383.	2.3	31
30	Enhanced magnetocapacitance sensitivity in BiFeO3â€"poly(vinylidene-fluoride) hot pressed composite films. Journal of Alloys and Compounds, 2012, 528, 16-19.	5.5	30
31	Synthesis and characterization of MnFe2O4â€"BiFeO3 multiferroic composites. Physica B: Condensed Matter, 2011, 406, 1763-1766.	2.7	27
32	Structural, magnetic and dielectric properties of xCrFe2O4â€"(1â^'x)BiFeO3 multiferroic nanocomposites. Physica B: Condensed Matter, 2010, 405, 2362-2366.	2.7	26
33	A novel one-pot synthesis of hierarchical europium doped ZnO nanoflowers. Materials Letters, 2015, 142, 30-34.	2.6	25
34	Strain mediated magnetoelectric coupling induced in (x) Bi 0.5 Na 0.5 TiO 3 -(1â^' x) MgFe 2 O 4 composites. Physica B: Condensed Matter, 2017, 514, 41-50.	2.7	24
35	Structural and electrical properties of PZT (La, K) ceramics. Materials Letters, 1993, 16, 291-294.	2.6	23
36	Mo6+ Modified (K0.5Na0.5)NbO3 Lead Free Ceramics: Structural, Electrical and Optical Properties. Journal of Materials Science and Technology, 2014, 30, 459-465.	10.7	22

#	ARTICLE	IF	CITATIONS
37	Study of structural, dielectric, electric, magnetic and magnetoelectric properties of K0.5Na0.5NbO3 <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0014.gif" overflow="scroll"><mml:mo>â^’</mml:mo></mml:math> Ni0.2Co0.8Fe2O4 composites. Ceramics International, 2017, 43, 13438-13446.	4.8	21
38	Structural and electrical properties of PZT (La, Na) ceramics. Materials Letters, 1994, 19, 61-64.	2.6	20
39	Effect of yttrium on microstructure, dielectric, ferroelectric and optical properties of BaZr0.10Ti0.90O3 nanoceramics. Physica B: Condensed Matter, 2014, 442, 39-43.	2.7	19
40	Structural and magnetodielectric properties of poly(vinylidene-fluoride)-[0.8(Bi 0.5 Na 0.5)TiO 3 -0.2CoFe 2 O 4] polymer composite films. Composites Part B: Engineering, 2015, 79, 138-143.	12.0	19
41	Magnetic, ferroelectric, and magnetodielectric properties of BiFeO3 ceramic co-doped with Eu and Gd. Journal of Physics and Chemistry of Solids, 2019, 124, 19-23.	4.0	18
42	Enhanced magnetodielectric properties of single-phase Bi0.95â^’xLa0.05LuxFeO3 multiferroic system. Journal of Alloys and Compounds, 2013, 554, 138-141.	5.5	17
43	Giant dielectric permittivity and room temperature magnetodielectric study of BaTi0.2(Fe0.5Nb0.5)0.8O3 nanoceramic. Materials Research Bulletin, 2013, 48, 1435-1438.	5.2	16
44	Enhanced magnetoelectric sensitivity in Co0.7Zn0.3Fe2O4â€“Bi0.9La0.1FeO3 nanocomposites. Materials Research Bulletin, 2013, 48, 1312-1315.	5.2	15
45	Compositional effects on structural, dielectric, ferroelectric and transport properties of Ba 1â^’x (Bi) Tj ETQq1 1 0.784314 rgBT /Overl	4.0	15
46	Morphology and tensile performance of MWCNT/TiO2-epoxy nanocomposite. Materials Chemistry and Physics, 2022, 277, 125336.	4.0	15
47	Role of magnetism present in the cobaltites (ACo2O4 AÂ=ÂCo, Mn, and Fe) on the charge storage mechanism in aqueous supercapacitor. Applied Surface Science, 2021, 568, 150966.	6.1	14
48	Structural, optical and magnetic study of (1â^’x)ZnOâ€“xMgO composites prepared through solid state reaction method. Physica B: Condensed Matter, 2012, 407, 3427-3433.	2.7	12
49	Enhanced dielectric, ferroelectric and optical properties of lead free (K0.17Na0.83)NbO3 ceramic with WO3 addition. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2013, 178, 1469-1475.	3.5	8
50	Dielectric, enhanced magnetic and magnetodielectric properties of hot pressed (BNBT-BFO)/PVDF composite films. Journal of Polymer Research, 2015, 22, 1.	2.4	7
51	Dwell time effect on the barrier layer capacitor structure in CaCu3Ti4O12 ceramic. Ceramics International, 2015, 41, 12386-12392.	4.8	7
52	Silver doped zinc oxide nanostructures with antibacterial properties against GFP-expressing antibiotic resistant Escherichia coli. Materials Letters, 2022, 309, 131469.	2.6	4
53	Bimodal distribution of grains. Materials Today, 2016, 19, 56-57.	14.2	2
54	Enhancement of dielectric performance in BaZr0.02(Fe0.5Nb0.5)0.98O3 ceramics influenced by sintering temperatures. Physica B: Condensed Matter, 2021, 617, 413114.	2.7	2

#	ARTICLE	IF	CITATIONS
55	Study of barrier layer capacitance effect in lead free Ba0.95Sr0.05(Fe0.5Nb0.5)O3â€“BaZr0.1Ti0.9O3 ceramics. Physica B: Condensed Matter, 2014, 452, 136-141.	2.7	1
56	Electrically heterogeneous high dielectric BaTi 0.4 (Fe 0.5 Nb 0.5) 0.6 O 3 ceramic. Solid-State Electronics, 2017, 132, 39-44.	1.4	1
57	Magnetocapacitance based magnetoelectric coupling behavior of multiferroic BiFeO3 nanocrystals: An empirical investigation. Physica B: Condensed Matter, 2021, 621, 413315.	2.7	0